

Life Cycle of Plastics Worksheet

Instructions for Jigsaw Group Research:

1. Distribute the Life Cycle of Plastics Infographic to learners provided on the activity webpage, linked [here](#)
2. After forming jigsaw groups, assign one life cycle stage out of the five provided to each learner in a jigsaw group for research. Following instructions on the activity, have learners complete the research.
3. Have learners record their research in this worksheet under the life cycle stage assigned:
 - a. [Feedstock](#)
 - b. [Plastic Production](#)
 - c. [Product Manufacturing](#)
 - d. [Use](#)
 - e. [Post Use](#)

Recommended Resources for Research:

Learners can research the life cycle stage on their own. Here are a few recommended resources to get them started on research:

1. Lifecycle of a Plastic Product - article
<https://plastics.americanchemistry.com/Lifecycle-of-a-Plastic-Product/>
2. What Really Happens to the Plastic You Throw Away - a Ted Talk video
https://www.youtube.com/watch?v=6xINyWPpB8&feature=emb_title
3. Plastic Packaging Resources - a library of resources
<https://www.plasticpackagingfacts.org/resources/>
4. Plastic in the Environment - a library of articles
<https://www.plasticsoupfoundation.org/en/plastic-problem/plastic-environment/>
5. The Life Cycle of Plastic - article
<https://www.generalkinematics.com/blog/the-life-cycle-of-plastic/>

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Life Cycle Stage 1: Feedstock

A large, empty rectangular box with a thin black border, occupying the majority of the page below the title. It is intended for students to draw or write about the feedstock stage of the plastic life cycle.

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Life Cycle Stage 2: Plastic Production

A large, empty rectangular box with a thin black border, intended for students to take notes or draw diagrams related to the plastic production stage of the life cycle.

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Life Cycle Stage 3: Product Manufacturing

A large, empty rectangular box with a thin black border, intended for students to draw or write about the product manufacturing stage of the plastic life cycle.

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Life Cycle Stage 4: Use

A large, empty rectangular box with a thin black border, intended for students to draw or write about the use of plastics.

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Life Cycle Stage 5: Post Use

A large, empty rectangular box with a thin black border, intended for students to draw or write about the post-use stage of the plastic life cycle.